PastFx JET PHASER

What is it?

The *PastFx Jet Phaser* is a faithful reproduction of the 1970's Roland AP-7 Jet Phaser. However, its modernised layout and controls allow the circuit to be adjusted in ways that the original could not.
The AP-7 was unique for its time, incorporating a fuzz and phase circuit within one pedal. It was able to achieve thick swirling phase and faux Leslie rotary speaker effects. The most notable user being Larry Graham. The Ap-7 now attracts high prices from both artists and collectors alike.

The PastFx Jet Phaser is able to achieve all the sonic features of the original, however it can do more as a result of additional customised control options.
It is approximately 1/3 of the size and weight of an original. With today's advancements in technology, the Jet Phaser operates off the same bipolar voltages as the original, however it only requires standard 9vdc pedal power supply.

Features

- Uses 8 hand matched Jfet transistors.
- Foot switchable Jet Fuzz
- Jet Level Control (Fuzz Volume)
- Unique "Phase Off" setting allows the Fuzz to be used independently from the Phase circuit. The Original does not allow the fuzz to be used in isolation.
- Flip Switch Mod. The black push button at base of enclosure allows to swap the function of the Jet Footswitch. Either turn the Jet on or off or control the Fast & Slow switch. If you enjoy ramping up the phase rate from slow to fast with the footswitch, it can now be done with the "Flip Switch Mod!"
- Tone Knob allows frequency shaping unlike the original which only has 2 fixed tonal positions (Bright & Dark)
- Resonance knob (Feedback)
- Fast / Slow switch is now activated with a toggle switch.
- When Slow toggle switch is selected, Phase speed may be adjusted using the Slow knob.
- Phase Depth now has an independent toggle switch which allows for Low / Deep Phase or turning the phase off.
- Dual Red & Green LED Indicator which flashes at the LFO phase rate.
- Red – Jet Fuzz activated
- Green – Phase effect only
- True Bypass Normal / effect footswitch
- Blue LED visual indication of effect being activated.
- Bonus internal Phase Depth micro switch. Allows for a Deeper Phase when in Low Phase Depth Mode
- Dimensions : 120 x 94 x 50mm (1590BB style enclosure)
- Pedalboard friendly, uses minimal real estate and operates off industry standard (9VDC negative tip 2.1mm)

Now with New “Flip Switch” Mod!

The black push button at base of enclosure allows to swap the function of the Jet Footswitch.
Either turn the Jet on or off or control the Fast & Slow switch. If you enjoy ramping up the phase rate from slow to fast with the footswitch, it can now be done with the "Flip Switch Mod!"

Customisation Options

There are 2 extra tweakable functions within the pedal which require removing the back plate. This is only recommended for those who are confident in In doing so.

1. Adjustable Low Depth Intensity Switch

There is a micro slide switch which can adjust the Depth Intensity of the Low Depth toggle switch position

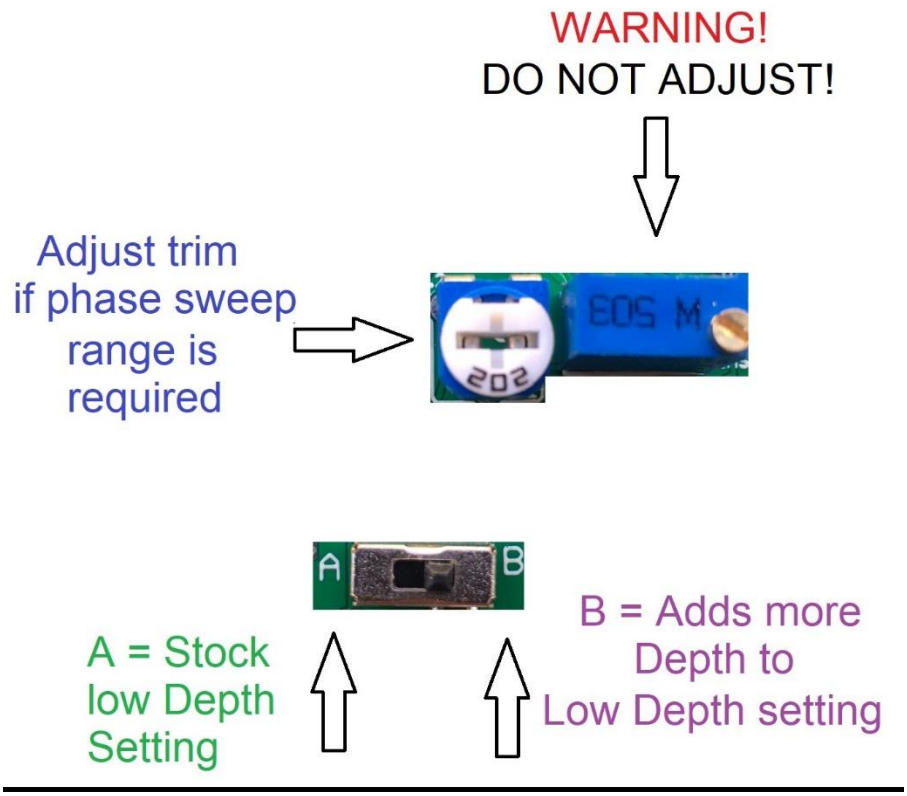
2. Phase Range Sweep Trimpot

There are two internal Trimpots. A Rectangular Precision Multi-turn and a single turn circular style to the left.

DO NOT ADJUST the rectangular Trimpot on the right!
Doing so may result in the Jet Phaser not Phasing at all.

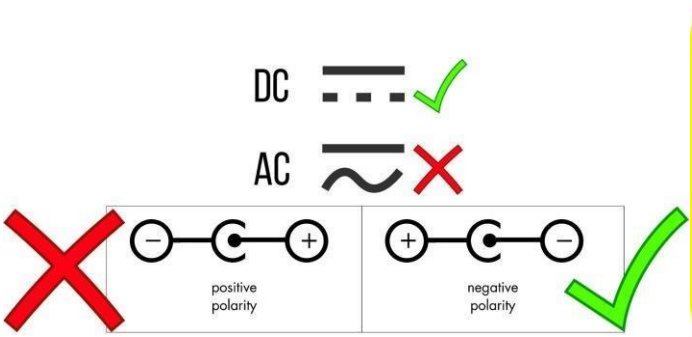
The Round Trim to the left is highly recommended to be left as Stock, however those feeling comfortable may slightly adjust this trimpot.By doing so this will adjust the Phasing frequency range higher or lower.

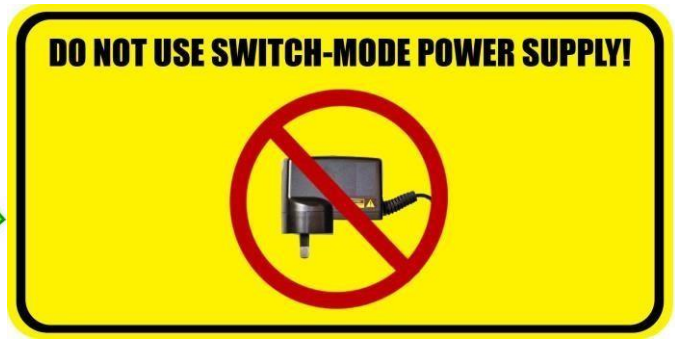
Please refer to image below.



Please Do Not Use Cheap Switch-Mode Power Supplies!

- This pedal draws approximately 15 ma
- It requires 9vDC 2.1mm jack negative tip supply. Regulated, Isolated Linear / Transformer based supply
- High Quality Audio Switch-mode supplies like Cioks DC7 are excellent and recommended, however please avoid using PSU's that look similar to the picture below in yellow!





Up until the mid-2000's most 9vdc pedal power supplies available were Linear / Transformer based. However most manufacturers have taken the lower cost path in manufacturing switchmode supplies. These are generally lighter in weight, and more economically appealing. An Apple/Samsung wall charger for example uses switchmode technology. Unfortunately from the frequent switching from fully on to fully off the repeated switching can introduce noise into effect pedal. Modulation and high gain effects can be more noticeable.

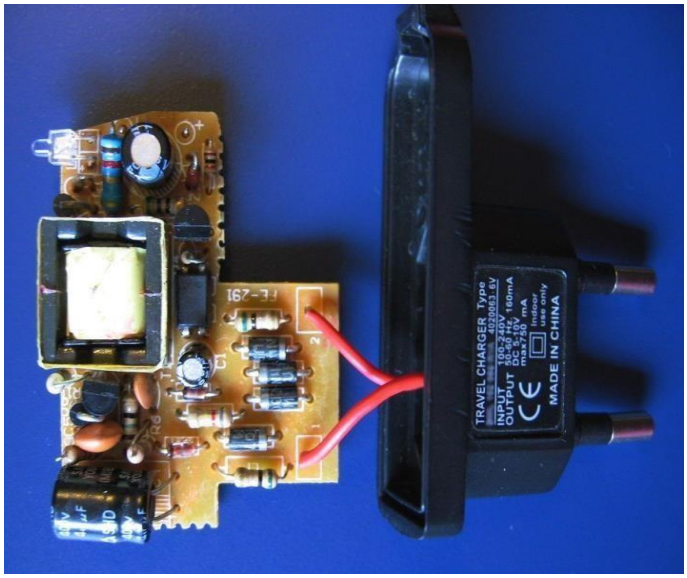
A budget switchmode supply may work fine on a simple overdrive pedal, but this does not transfer to the Jet Phaser.

- It is acknowledged that many newer high end switch-mode based power supplies have improved immensely over the last few years, and may work fine in your pedal.
- However PastFx still only recommends Linear power supplies with the exception of Pro Audio switch-mode supplies.
- We recommend but not limited to:

- Voodoo Lab Pedal Power ® 2 Plus etc.
- Cioks DC7/4/8/10.
- Walrus Audio Phoenix / Aetos.
- Electro-Harmonix US96DC-200BI.(US transformer version)
- Electro-Harmonix UK96DC-200BI.(UK transformer version)
- Electro-Harmonix EU96DC-200BI.(EU transformer version)
- Joyo® JP-04 Isolated Power Supply
- T-Rex® Junior/Classic/Chameleon Fuel Tanks
- Truetone 1 Spot PRO CS6/7/12 only
- Gigrig Generator
- Eventide PowerMax / Mini
- Strymon Zuma/Zuma R300/Ojai R30
- Donner® DP-4 ISO 8 PLUS
- Mosky®C8 Power Station
- Harley Benton Powerplant Junior

Linear Transformer Power Supply

Switch mode power supply



Both PSU's convert Mains AC to DC. The switchmode is cheaper to manufacturer, produces less heat, but can introduce more noise than the Linear Supply. For Best Performance only use a quality Regulated, Isolated Linear power supply or professional high quality guitar intended switch mode.